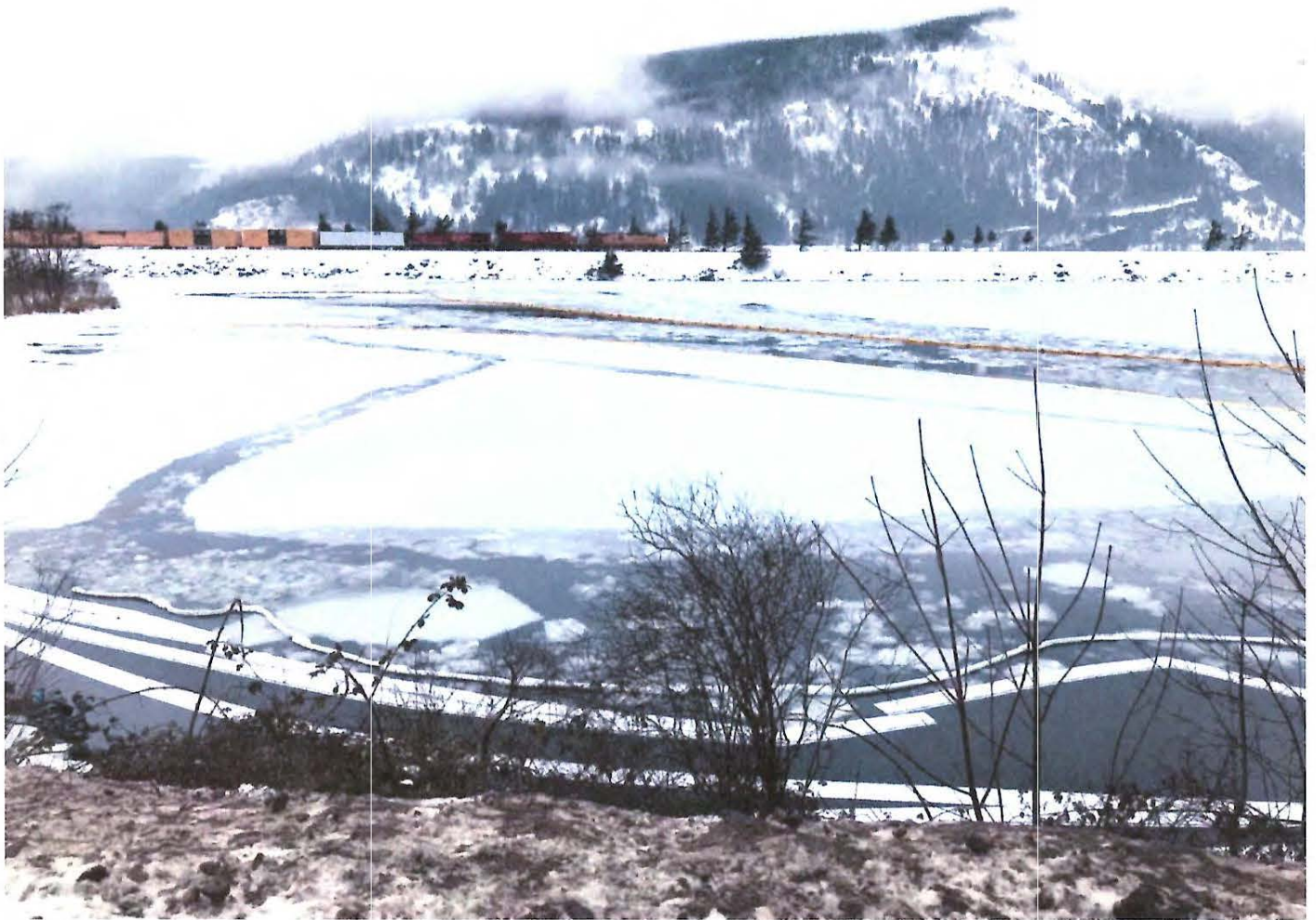


Liberty Lake Tanker Truck Spill Incident Action Plan (IAP)



**Operational Period #4
From 2/18/2019 @ 0700
To 2/19/2019 @ 0700**

1. Incident Name Lindsey Lake Tanker Spill OERS 2019-0334 I-84, MP 54 NRC#1237421		2. Operational Period to be covered by IAP (Date/Time) From: 18 Feb 2019 / 0700 To: 19 Feb 2019 / 0700	IAP COVER SHEET
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3. Approved by Incident Commander(s):

ORG	NAME	
FOSC (EPA)	Jeff Fowlow	<i>Jeff Fowlow</i> 2-17-2019
SOSC (DEQ)	Jamie Collins	<i>Jamie Collins</i> 2/17/2019
RP IC	Rob Honsberger	<i>Rob Honsberger</i> 2-17-19

INCIDENT ACTION PLAN

The items checked below are included in this Incident Action Plan:

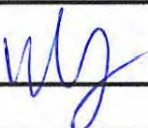
- ☒ ICS 202 (Incident Objectives)
- ☒ ICS 202A (Command Direction)
- ☒ ICS 203 (Organization List) – OR – ICS 207-CG (Organization Chart)
- ☒ ICS 204 (Assignment Lists)
- ☒ ICS 205 (Communications Plan)
- ☒ ICS 206 (Medical Plan)
- ☒ ICS 207 (Org Chart)
- ☒ ICS 208 (Site Safety Plan) or Note SSP Location
- ☒ Map / Chart
- ☒ Weather Forecast / Tides/Currents

Other Attachments

- ☒ ICS 232-OS (Resources at Risk Summary)
- ☒ Sampling and Analysis Plan
- ☒ Waste Management Plan
- ☒ Inadvertent Discovery Plan for Cultural Resources
- ☒ *Health + Safety Plan*
- ☐ _____
- ☐ _____


4. Prepared by: Matt Magorrian, USEPA, Planning Section Chief	Date/Time 17 Feb 2019 / 1700
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1. Incident Name: Lindsey Lake Tanker Truck Spill	2. Operational Period: (Date / Time) From: 18 Feb 2019 / 0700 to: 19 Feb 2019 / 0700	INCIDENT OBJECTIVES ICS 202 - EPA
3. Incident Objective(s): <ol style="list-style-type: none"> 1. Ensure safety of responders and members of the public 2. Manage the response in a coordinated manner 3. Prevent the migration of contamination 4. Contain spilled material using hard and soft boom 5. Recover as much product as safely possible while minimizing environmental, cultural, and economic impacts 6. Keep the public and stakeholders informed 7. Characterize the extent of contamination and evaluate removal options <p style="margin-left: 150px;">SUBSURFACE</p>		
4. Operational Period Command Emphasis. (Priorities, Key Discussions/Directions): <ol style="list-style-type: none"> 1. Continue to use soft and hard boom, and absorbent pads to collect as much spilled material as possible 2. Maintain boom placed in Lindsey Lake and stop the spread of contamination to the lake during flushing operations; reposition as necessary. 3. Add additional hard boom near the south outfall 4. Add anchor to booms located in Lindsey Lake 5. Use water flushing to wash roadway and drainage ditch to mobilize spilled diesel and use a vacuum-truck to recover fuel 6. Characterize the extent of contamination and evaluate removal options 7. Notify Unified Command immediately with any of the following critical information: <ol style="list-style-type: none"> a. If there are any rushes or surges of product to the road surface or lake b. Sheen is observed outside of the primary containment zone c. Contaminated, injured, or dead wildlife d. Any responder requires more than simple first-aid treatment e. Any wrecks or accidents along the roadway (whether related to the incident or not) f. Any VIP, elected officials, or media are observed in or near any of the work areas 		
5. General Situation Awareness (Safety bullets, Weather, etc...): <p>***Full-face respirators must be worn when working in areas where total VOC samples are observed to exceed 10ppm***</p> <p>All workers and people in any areas of contamination must be in at least Level-D PPE and increase to Level-C as necessary.</p> <p>Workers should dress warmly, and monitor self and peers for symptoms of hypothermia. Given the extra layers of clothing, workers should properly hydrate throughout the day to avoid dehydration.</p> <p>Roadway surfaces, lake banks, and wetlands are wet, icy and/or covered in snow; there are a number of very slick rocks. Workers should be mindful of very slippery conditions and avoid slips, trips, and falls.</p> <p>Light flurries are expected throughout the day, but no accumulation is expected.</p>		
Approved Site Safety Plan Located at: ICP		
6. Prepared By: (PSC) Name: Matt Magorrian, USEPA, Planning Section Chief		Signature:  (Date / Time) 2/18/19
INCIDENT OBJECTIVES ICS 202 - EPA (Rev 02/10)		


1. Incident Name: Lindsey Lake Tanker Truck Spill		2. Operational Period (Date / Time) From: 18 Feb 2019 / 0700 to: 19 Feb 2019 / 0700		ORGANIZATION ASSIGNMENT LIST ICS 203 - EPA	
3. INCIDENT COMMANDER / COMMAND STAFF:		7. OPERATION SECTION:			
Incident Commander(s)	Jeffrey Fowlow, EPA Jamie Collins, OR OSC Rob Honsberger, RPIC	Chief Shiloh McConnel, NWFF			
Deputy	John Berger, NWFF	Deputy			
Safety Officer	Chuck Crave, NWFF	Deputy			
Information Officer	Mark MacIntyre, EPA Laura Gliem/Jennifer Flynt, OR DEQ	Staging Area Manager		Steve Lemelin, NWFF	
4. AGENCY REPRESENTATIVES:		Branch 1			
OR DOT	Charles Schwarz	Deputy			
		Division/Group A		On-water Ops – Seth Williams	
		Division/Group B		Land Operations – Alan Dimock	
		Division/Group			
5. PLANNING SECTION:		Branch 2			
Chief	Matt Magorrian, EPA	Director			
Deputy		Deputy			
Resources Unit	Steve Lemelin, NWFF	Division/Group			
Situation Unit		Division/Group			
Environmental Unit	Charles Kennedy, ODEQ	Division/Group			
Deputy Environmental	Don Pettit, ODEQ	Division/Group			
Demobilization Unit		Branch 3			
Technical Specialist	Faye Walstead-Keelan, EPA Contractor	Director			
Technical Specialist	Bryon Alexander, EPA Contractor	Deputy			
		Division/Group			
		Division/Group			
		Division/Group			
6. LOGISTICS SECTION:		8. FINANCE/ADMINISTRATION SECTION:			
Chief		Chief			
Deputy		Time Unit			
		Procurement Unit			
a. Support Branch		Compensation/Claims Unit			
Director		Cost Unit			
Supply Unit					
Facilities Unit		NOTES:			
Ground Support Unit					
Transportation Unit					
b. Service Branch					
Director					
Communications Unit					
Medical Unit					
Food Unit					
9. Prepared By:		(Date / Time)			
Name: Matt Magorrian, USEPA, Planning Section Chief	Signature: 	2/17/19 1830			
ORGANIZATION ASSIGNMENT LIST		ICS 203 - EPA (Rev 02/10)			

1. Incident Name: Lindsey Lake Tanker Truck Spill		2. Operational Period: (Date / Time) From: 18 Feb 2019 / 0700 to: 19 Feb 2019 / 0700		ASSIGNMENT LIST ICS 204 - EPA																					
3. Branch: Division A – On Water		4. Division/Group/Staging: ODOT Weigh Station																							
5. Operations Personnel: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">ICS Position</th> <th style="width: 30%;">Name</th> <th style="width: 20%;">Affiliation</th> <th style="width: 30%;">Contact # (s)</th> </tr> </thead> <tbody> <tr> <td>Operations Section Chief:</td> <td>Shiloh McConnell</td> <td>NWFF</td> <td>541-231-2619</td> </tr> <tr> <td>Branch Director:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Division/Group Supervisor/STAM:</td> <td>Seth Williams</td> <td>NWF</td> <td>541-745-8288</td> </tr> </tbody> </table>						ICS Position	Name	Affiliation	Contact # (s)	Operations Section Chief:	Shiloh McConnell	NWFF	541-231-2619	Branch Director:				Division/Group Supervisor/STAM:	Seth Williams	NWF	541-745-8288				
ICS Position	Name	Affiliation	Contact # (s)																						
Operations Section Chief:	Shiloh McConnell	NWFF	541-231-2619																						
Branch Director:																									
Division/Group Supervisor/STAM:	Seth Williams	NWF	541-745-8288																						
Resources Assigned: "X" indicates 204a attachment with additional instructions <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Strike Team/Task Force/ Resource Identifier</th> <th style="width: 20%;">Leader</th> <th style="width: 15%;">Contact Info. #</th> <th style="width: 10%;"># of Persons</th> <th style="width: 40%;">Reporting Info/Notes/Remarks</th> </tr> </thead> <tbody> <tr> <td>NWFF Technicians</td> <td>Alex Plawman</td> <td>541-231-0445</td> <td>4</td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						Strike Team/Task Force/ Resource Identifier	Leader	Contact Info. #	# of Persons	Reporting Info/Notes/Remarks	NWFF Technicians	Alex Plawman	541-231-0445	4											
Strike Team/Task Force/ Resource Identifier	Leader	Contact Info. #	# of Persons	Reporting Info/Notes/Remarks																					
NWFF Technicians	Alex Plawman	541-231-0445	4																						
7. Work Assignments: Check and maintain hard boom in place and deploy more boom if necessary Check and replace soft boom as necessary Provide boat transportation as needed to resource trustee representatives (NOAA/USFWS/ODFW) and air monitoring crews Assist Land Operations Group as needed with flushing and recovery operations Remove the section of boom in the West side of the lake and replace with larger skirt-boom Assist Division B in placement of cup trench and deployment of additional boat																									
8. Special Instructions: PFDs are to be worn at all times, while on or within 10' of water (including ice covered water). Crews should be very aware of low water temperatures. Employ the buddy system while on or near the water. Immediately report any sighting of dead or injured fish or wildlife to supervisor, or any cultural or historic artifacts. Reflective vests are required to be worn when on or near the highway. Hard hats must be worn while any over-head operations are ongoing. ***Full-face respirators with Super defender cartridges MUST be worn when working in areas that exceed 10ppm total VOC***																									
9. Communications (radio and/or phone contact numbers needed for this assignment): <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Name/Function</th> <th style="width: 25%;">Radio: Freq./System/Channel</th> <th style="width: 25%;">Phone</th> <th style="width: 25%;">Cell/Pager</th> </tr> </thead> <tbody> <tr> <td>All responders</td> <td>Channel 1</td> <td></td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						Name/Function	Radio: Freq./System/Channel	Phone	Cell/Pager	All responders	Channel 1														
Name/Function	Radio: Freq./System/Channel	Phone	Cell/Pager																						
All responders	Channel 1																								
Emergency Communications: 911 and Safety Officer: 541-602-5318																									
10. Prepared by: (RESL) (Date / Time) Name: Matt Magorrian, USEPA, PSC 2/17/19 @1715		11. Reviewed by: (PSC) (Date / Time) Name: Matt Magorrian, USEPA, PSC 2/17/19 @1715		12. Reviewed by: (OPS) (Date / Time) Shiloh McConnell, NWFF, OPS, 2/16/19 @1715																					

1. Incident Name: Lindsey Lake Tanker Truck Spill		2. Operational Period: (Date / Time) From: 18 Feb 2019 / 0700 to: 19 Feb 2019 / 0700		ASSIGNMENT LIST ICS 204 - EPA	
3. Branch: Division B – On Water		4. Division/Group/Staging: ODOT Weigh Station			
5. Operations Personnel:					
ICS Position	Name	Affiliation	Contact # (s)		
Operations Section Chief:	Shiloh McConnell	NWFF	541-231-2619		
Branch Director:					
Division/Group Supervisor/STAM:	Alan Dimock	NWFF	971-352-5449		
Resources Assigned: "X" indicates 204a attachment with additional instructions					
Strike Team/Task Force/ Resource Identifier	Leader	Contact Info. #	# of Persons	Reporting Info/Notes/Remarks	
WFS Technicians	Jamie	509-759-5773	7		
7. Work Assignments: Commence flushing and recovery operations once traffic control has been established in westbound travel lane. Follow OWRD regulations while drafting water (up to 100,000 gallons) from Lindsey Lake, including use of protective screen to minimize harm to fish and wildlife. Ensure recovery equipment is in place at collection point prior to beginning any flushing operations. Utilize water tender to flush snow, ice, and accumulated diesel fuel from embankment. Simultaneously employ skimmer and/or vacuum truck to recover any fuel or oily water that then accumulates at collection point at Lindsey Lake. Employ best tactics to maximize recovery of oil and minimize recovery of water. Decanting not permitted unless allowed by FOSC. Vacuum truck should be on standby at ODOT weigh station before flushing commences. Transport any diesel fuel or oily water recovered to Baker tank staged at Wyeth Sate Park. If time permits, utilize long-reach crane to recover any stockpiled solid waste (sorberent or sorbent boom) from Lindsey Lake shoreline to waiting tub truck. Dispose of solid waste in accordance with all applicable Federal and State regulations. Check and maintain soft boom and replace if needed along shoreline. Install a cut trench mid-slope, approximately 1-2 feet and fill with absorbent boom. Deploy additional boat to the lake to assist with on-water recovery of contaminants. Dig a ditch at the base of the cliff adjacent to the eastbound lanes, approximately 1-foot deep; install absorbent boom to collect melting contamination					
8. Special Instructions: PFDs are to be worn at all times, while on or within 10' of water (including ice covered water). Crews should be very aware of low water temperatures. Employ the buddy system while on or near the water. Immediately report any sighting of dead or injured fish or wildlife to supervisor. Be cautious of slippery slopes and rocky terrain. ***Full-face respirators with Super defender cartridges MUST be worn when working in areas that exceed 10ppm total VOC***					
9. Communications (radio and/or phone contact numbers needed for this assignment):					
Name/Function	Radio: Freq./System/Channel	Phone	Cell/Pager		
All responders	Channel 1				
Emergency Communications: 911 and Safety Officer: 541-602-5318					
10. Prepared by: (RESL) (Date / Time) Name: Matt Magorrian, USEPA, PSC 2/17/19 @1715		11. Reviewed by: (PSC) (Date / Time) Name: Matt Magorrian, USEPA, PSC 2/17/19 @1715		12. Reviewed by: (OPS) (Date / Time) Shiloh McConnell, NWFF, OPS, 2/16/19 @1715	

INCIDENT RADIO COMMUNICATIONS PLAN	1. Incident Name:		2. Operational Period: (Date / Time)		INCIDENT RADIO COMMUNICATIONS PLAN ICS 205 - EPA
	Lindsey Lake Tanker Truck Spill		From: 18 Feb 2019 / 0700 to: 19 Feb 2019 / 0700		
	3. Basic Radio Channel Use:				
	SYSTEM / CACHE	CHANNEL	FUNCTION	FREQUENCY	ASSIGNMENT
Motorola	1	All staff		All staff	Keep radio communication short, concise, and professional.
4. Prepared by: (Communications Unit)					(Date / Time)
Name: Matt Magorrian, USEPA, Planning Section Chief			Signature: 		2/16/19 @ 1659

ICS 205 - EPA

1. Incident Name:		2. Operational Period: Date / Time)		INCIDENT COMMUNICATIONS PLAN ICS 205A - EPA
Lindsey Lake Tanker Truck Spill		From: 18 Feb 2019 / 0700 to: 19 Feb 2019 / 0700		
3. Communication Contact List:				
NAME	POSITION	PHONE NUMBER	AGENCY / AFFILIATION	EMAIL ADDRESS
Jeff Fowlow	Federal IC	206-225-5582	EPA	Fowlow.jeffrey@epa.gov
Jamie Collins	State IC	578-488-9666	ODEQ	
Rob Honsberger	RP IC	206-856-6679	HydroCon/Space Age Fuel	roberth@hydroconllc.net
John Berger	Dep IC	541-740-4241	NWFF	
Alan Dimock	SO	541-602-5318	NWFF	
Jennifer Flynt	PIO		ODEQ	
Laura Gleim	PIO		ODEQ	
Marianne Holsman	PIO		EPA	
Scott Smith	LNO		ODEQ	
Matt Magorrian	PSC	206-437-9327	EPA	Magorrian.matthew@epa.gov
Charles Kennedy	ENVL	541-650-2326	ODEQ	
Allison Kinney	ENV		Bercher-ABAM	
Bryon Alexander	EU Tech	208-970-0564	EPA/E&E	
Faye Walstead-Keelan	EU Tech	503-741-0383	EPA/E&E	
Shiloh McConnell	OPS SC	541-231-2619	NWFF	
Chad Sisk	OPS Div Sup	971-352-5449	NWFF	
Follen Thor	OPS	541-609-1969	NWFF	
Alex Plawmen	OPS	541-231-0445	NWFF	
Arturo Gutierrez	OPS	509-930-1688	WFS	
Cesar Monroy	OPS	541-243-2977	NWFF	
Charles Schwerz	OPS	503-880-9074	OR DOT	
Chris Daschel	OPS	503-891-4128	HydroCon	
Clive B	OPS	509-985-7570	WFS	
Daniel Holmes	OPS		NRC	
Josh Rairden	OPS	541-453-5896	K&B	
Juan Diaz	OPS	509-406-9118	WFS	
Kevin Rairden	OPS	541-602-9166	K&B	
Robert Jones	OPS		WFS	
Ross Mc				
Seth Williams	OPS	541-745-8288	NWFF	
Stan Jensen	OPS		NRC	
Jamie	OPS		NWS	
4. Prepared by:			(Date / Time)	
Name: Matt Magorrian, USEPA, Planning Section Chief			Signature: 	

1. Incident Name: Lindsey Lake Tanker Truck Spill		2. Operational Period: (Date / Time) From: 18 Feb 2019 / 0700 to: 19 Feb 2019 / 0700		MEDICAL PLAN ICS 206 - EPA			
3. Medical Aid Stations:							
Name	Location	Contact #	Paramedics On Site (Y/N)				
ODOT Weigh Station	ODOT Weigh Station on North side of I-84 just East of the spill site	None	N				
4. Transportation:							
Ambulance Service	Address	Contact #	Level of Service				
			ALS	BLS			
Hood River FD	Hood River, 5 miles East of spill site	911	X	X			
5. Hospitals:							
Hospital Name	Address	Contact #	Travel Time		Burn Center (Y/N)	Helipad (Y/N)	Trauma Center (Y/N)
			Air	Ground			
Providence Memorial – Hood River	811 13 th Street, Hood River, OR	541-436-4500		X	X	X	X
Mid-Columbia Medical Center	1700 E 19 th Street, the Dalles, OR	541-295-1111		X	X	X	X
6. Special Medical Emergency Procedures: Due to extreme cold and weather conditions, hypothermia is a concern. Dehydration is also a concern so personnel must stay hydrated. In the event a person falls into the water, evacuate them to the ICP immediately, and place them in a warm, dry area; remove wet clothing to prevent progression of hypothermia.							
7. Prepared by: (Medical Unit Leader) Name: Matt Magorrian, USEPA, Planning Section Chief		(Date / Time) 2/16/19 @ 1659		8. Reviewed by: (Safety Officer) Allen Dimock, SOFR <i>Chuck Carner</i>		(Date / Time) 2/16/19 @ 1659	
MEDICAL PLAN				ICS 206 – EPA (Rev 02/10)			

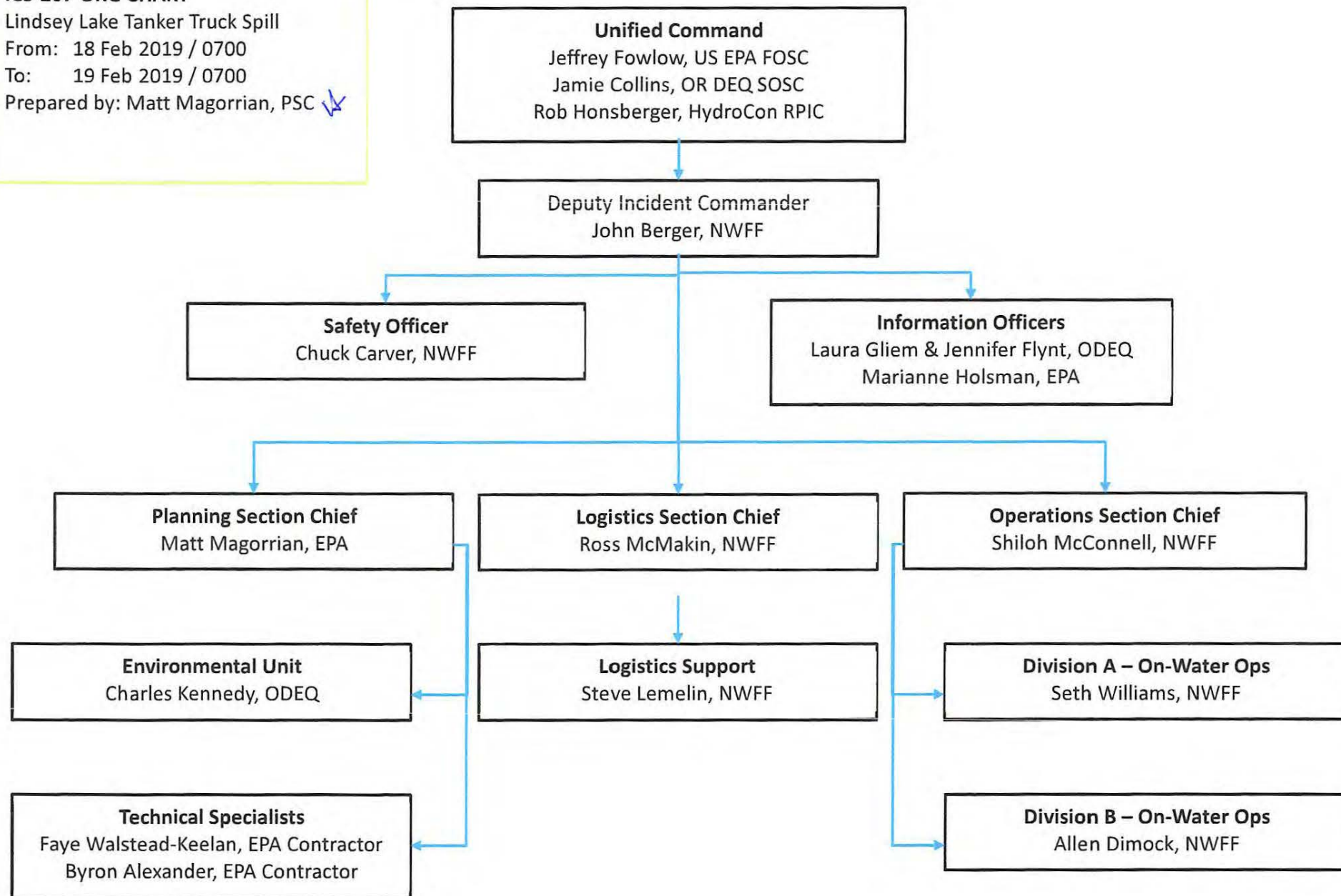
ICS-207 ORG CHART


Lindsey Lake Tanker Truck Spill

From: 18 Feb 2019 / 0700

To: 19 Feb 2019 / 0700

Prepared by: Matt Magorrian, PSC



Incident Name:		2. Operational Period: (Date / Time)		DAILY MEETING/ CONFERENCE CALL SCHEDULE ICS 230 - EPA	
Lindsey Lake Tanker Truck Spill		From: 18 Feb 2019 / 0700 to: 19 Feb 2019 / 0700			
3. Meeting Schedule (Commonly-held meetings are included) :					
Date/ Time	Meeting Name	Purpose	Attendees	Location	
Daily 7:00am	OPERATIONS Briefing	30-minutes Present the IAP to responders; brief oncoming ops section on daily operations	PSC Facilitates All Command & General Staff, all Operations staff	Viento Park ICP Garage/Briefing Room	
Daily 10:30am	COMMAND & GENERAL STAFF Meeting	30-minutes UC to provide updates, decisions and management directives to command & General Staff	PSC Facilitates All Command & General staff, SITL	Viento Park ICP Garage/Briefing Room	
Daily 1:00pm	TACTICS Meeting	30-minutes Develop plans for the following operational period	PSC Facilitates Operations, Safety, Logistics, Resources, Situation	Viento Park ICP Garage/Briefing Room	
Daily 4:30pm	PLANNING Meeting	45-minutes Define incident objectives, strategies and tactics, and identify resource needs	PSC Facilitates All Command & General staff, Resources, Situation	Viento Park ICP Garage/briefing Room	
4. Special and Other Meetings:					
Daily 1530	All IAP Docs Due	All documents for the IAP are due to ICP	All staff	Magorrian.matthew@epa .gov & Ross	
Daily 6:00pm	Daily operations terminate	All operations terminate, ICP closes	All staff	N/A	
5. Prepared by: (PSC)				(Date / Time)	
Name: Matt Magorrian, USEPA, Planning Section Chief			Signature: 	2/17/19 1830	
DAILY MEETING SCHEDULE				ICS 230 - EPA (Rev 02/10)	

1. Incident Name:		2. Operational Period: (Date / Time)		RESOURCES AT RISK SUMMARY ICS 232-OS
Lindsey Lake Tanker Truck Spill		From: 18 Feb 2019 / 0700 to: 19 Feb 2019 / 0700		

3. Environmentally-Sensitive Areas and Wildlife Issues				
Overall Objectives of Response – (#1) Safety of public and responders, (#2) Contain and recover diesel fuel against shoreline at seepage point, (#3) Protect wetlands and natural resources in Lindsey Lake and Lindsey Creek, (#4) Prevent fuel from moving into Columbia River				
Site #	Priority	Site Name and/or Physical Location	Site Issues	
Hwy MP 53.8 Columbia River Mile 158.8	1	Lindsey Lake (AKA Lindsey Pond) Source Control – Install containment boom against shoreline in area of product seepage, line with adsorbent boom to capture oil and keep oil out of lake. Replace sorbent boom as indicated by rate of oil saturation.	Length: 400' Boom – B2 (Contractor Boom) or equivalent. Sweeps or sorbent boom backing B2 to adsorb oil until small skimmer or vacuum truck can be placed/operated. Objective: Containment & Recovery – Keep oil contained to limit impacts to Lindsey Lake. Resource concerns: Sensitive nesting species, waterfowl and salmon concentrations and habitat.	
B 158.8L	2	Lindsey Lake (Cascade Locks, OR)	Length: 300' Boom – B2 (Contractor Boom) or equivalent. <u>Use 100' in "V" shape within Lindsey Lake at culvert through railway levee.</u> Use additional 200' of boom in "V" shape in Columbia River on opposite side of levee as secondary containment for river. Objective: Exclusion – Keep oil in Lindsey Lake from reaching Columbia River by blocking outfall/inlet to lake. Resource concerns: Sensitive nesting species, waterfowl and salmon concentrations and habitat. Fish passage must be maintained by keeping boom at distance from passage culvert.	

Narrative				
<p>Habitat Concerns: Islands, sloughs and wetlands provide critical resting and feeding areas for wildlife and serve as important rearing areas for resident fish and juvenile salmonids. Various deep and shallow water river habitats support a reported 48 species of freshwater fish including species important to sport fishery such as trout, walleye, bass, sunfish, catfish and sturgeon. Additionally, numerous other small generally shallow water species such as dace, shiner, mosquitofish stickleback and sculpins occur here and serve as important food sources for birds, larger fish and other wildlife. Their occurrence in shallow water makes them more susceptible to the toxic effects of petroleum. Riparian habitats are heavily used by wildlife including river otter, beaver and raccoon.</p> <p>Wildlife Concerns: This area is located on a major artery of the Pacific Flyway used primarily in October through February. Large numbers of waterfowl present, Pied-billed Grebe, Double-crested Cormorant, Canada Geese, Blue, Green, and Cinnamon Winged Teal, Mallard, Gadwall, Northern Shoveler, Redhead, ring-necked Duck, Lesser Ruddy Duck, Common Merganser, Lesser Scaup, Bufflehead, American Wigeon, Ring-billed Gulls, American Coot, Blue Herons and American White Pelicans are common in Fall. Bald Eagles are in the area and will prey on injured waterfowl. River otters, mink and beaver are present and vulnerable to oil exposure.</p> <p>Fish Concerns: Sloughs and impoundments are critical rearing habitat for both salmonids and resident fish. Adult and juvenile Fall Chinook, Coho and Steelhead runs are passing through the area in September and early October. Overwintering juvenile Coho and Chinook will be using the nearshore and backwater areas.</p> <p>Threatened & Endangered Species Concerns: Listed stocks include: Upper Columbia River Spring [FE], Snake River Spring, summer, and Fall Chinook [FT], Snake River Sockeye salmon [FE] and upper Columbia River steelhead [FT], Snake River Steelhead [FT]. American White Pelican [SE]</p> <p><u>Juvenile coho, winter steelhead, and Redband trout are present in Lindsey Creek which enters Lindsey Lake (pond) at natural delta to west of spill seepage front on bank against the highway.</u></p> <p><u>Report any observations of impacted fish, waterfowl or other wildlife to Operations Section Chief, ODFW (Jon Germond @ 503-947-6088) and USFWS (Mike Szumski @ 541-867-4550) immediately upon discovery.</u></p>				

4. Archaeo-cultural and Socio-economic Issues				
Site #	Priority	Site Name and/or Physical Location	Site Issues	
N/A	1	Sensitive tribal cultural sites	To be identified through consultation with local tribes and the Oregon State Historical Preservation Office . Initial consultations with SHPO and all four Federal treaty tribes with interests in the region indicated no resources are present in the immediate vicinity of the site; see below. Notifications to the tribes and SHPO were made between 2/12/19 and 2/13/19.	
B-155.7L and others	1	Tribal fishing sites (numerous along Oregon shoreline) from site to Bonneville Dam	Fishing from scaffolds along the river and use of In-Lieu Sites (such as the Wyeth In-Lieu Site at RM 155.7L) have the potential for impacts from river operations (including boat launching with permission) during the response. CRITFC has been notified and continues on the response in a liaison capacity.	

N/A	2	Columbia River Gorge National Scenic Area	Scenic, cultural, recreational, and natural resources. Coordination with CRGNSA initiated. Office closed due to inclement weather, left message with explanation of resource protection efforts and to call back with any questions or information (541-308-1700)
B-145.4-N	2	Bonneville Dam Fishway and USACE assets in area	Fishery resources. Notification to USACE made 2/11/2019
N/A	2	Bonneville State park, Bonneville, OR	Public recreation. Notification to Oregon State Parks made 2/12/2019
B-146.2L-N	2	Cascade Hatchery (Eagle Creek Hatchery) USFWS Facility	Notification to manager 503-801-3713 (advisory notification completed) 541-867-4550
B-150.8L-N	2	City of Cascade Locks Water Intake	Call Public Works Foreman at 541-386- 2711 2616 (advisory notification completed via Sheriff's Emergency Line)
N/A	2	Oregon State Parks Department	Contact with OR State Parks made 2/12/2019 (Gary Curtis 541-388-6204)

Narrative

Numerous culturally sensitive areas exist along the shorelines of the region. Tribal notifications have been made and coordination with Columbia River Intertribal Fisheries Commission and the Oregon State Historic Preservation Office is ongoing. Dennis Griffin with OR-SHPO has stated that there are no known archaeological sites in the response area. Advises to proceed, with due caution for unknown resources. See Inadvertent Discovery Plan for Cultural Resources, attached with this document.

5. Prepared by: (Environmental Unit Leader)

Don Pettit, Dep EUL

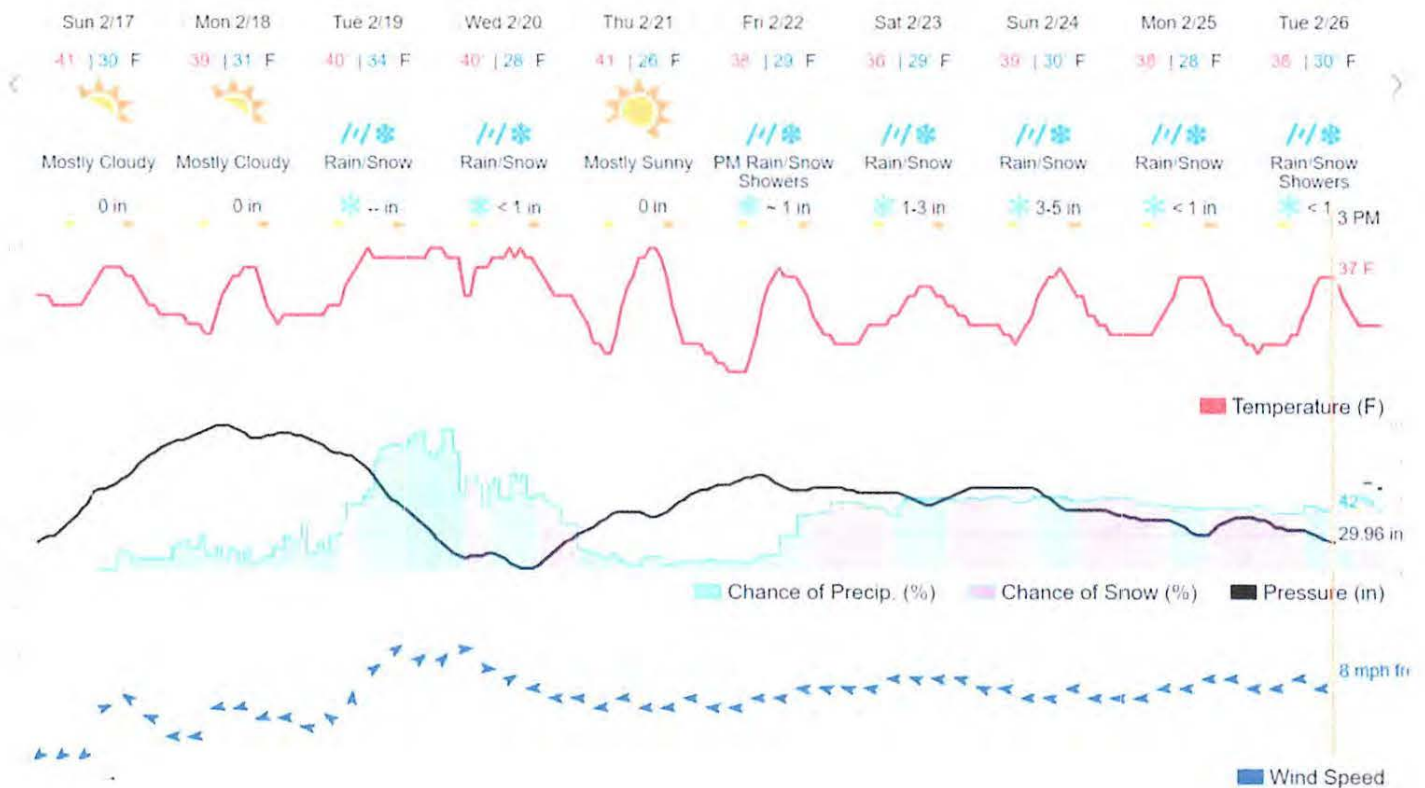
Date/Time

2/14/2019 1500

RESOURCES AT RISK SUMMARY

ICS 232-OS

Weather Report for 2/18/2019



Monday Forecast

Sky/weather.....Mostly cloudy. Occasional flurries or light snow. Little or no snow accumulation.
 Chance of pcpn.....30 percent.
 Max temperature.....Around 35.
 Min humidity.....Around 75 percent.
 Dewpoint.....Around 25.
 Surface winds.....East winds 4 to 8 mph. Gusts to 15 mph.
 Visibility.....3 to 5 miles.

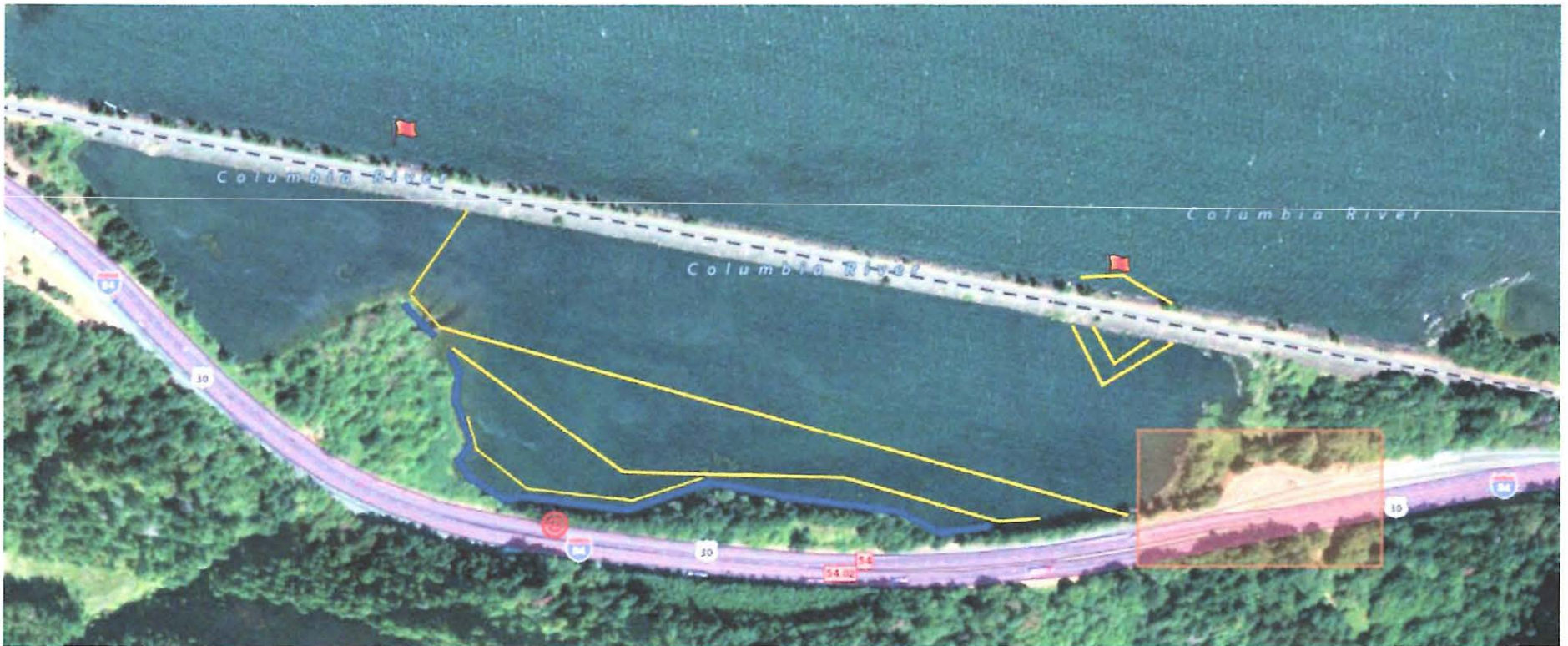
EXTENDED OUTLOOK...

TUESDAY...Mostly cloudy. Chance of snow in the morning, then rain or snow likely in the afternoon. Snow accumulation of up to 1 inch. Highs 35 to 40. West wind 5 to 10 mph, increasing to 10 to 15 mph with gusts up to 30 mph in the afternoon. Chance of precipitation 70 percent.
TUESDAY NIGHT...Rain. Snow level 1000 feet. Lows around 35. West wind 10 to 15 mph with gusts up to 30 mph. Chance of precipitation 90 percent.
WEDNESDAY...Rain showers. Snow level 1000 feet. Highs around 40. West wind 7 to 12 mph with gusts up to 25 mph. Chance of precipitation 90 percent.
WEDNESDAY NIGHT...Cloudy with a 50 percent chance of snow showers. Lows around 25. West wind 4 to 8 mph, becoming east after midnight.
THURSDAY...Partly sunny with a 20 percent chance of rain and snow showers. Highs around 40. Northeast wind 3 to 6 mph.
THURSDAY NIGHT...Partly cloudy. Lows around 25. East wind 2 to 5 mph.
FRIDAY...Partly cloudy with a 20 percent chance of snow. Highs 35 to 40. East wind 5 to 10 mph.

MAP 1 – Lower Columbia River – River Mile 159
Lindsey Lake



MAP 2 – Lower Columbia River – River Mile 159
Lindsey Lake Booming Strategy



Long-term drilling plan

HydroCon is currently preparing a Scope of Work for your review to advance exploratory soil borings along the Northern ROW of westbound I-84. Following completion current bank washing, snow melt, and trenching product recovery activities. At least 10 borings along a 500' stretch of Northern ROW of the west bound lanes of I-84 to assess soil and groundwater conditions in the spill area. If subsurface conditions are favorable we will install 4" diameter wells with screened intervals selected to intercept groundwater and facilitate product recovery. If free product is detected a vacuum truck will be used for total fluids recovery. Vacuum enhanced product recovery will continue as needed to reach cleanup goals (Honberger, 2/17/2019)

UNIFIED COMMAND HEALTH AND SAFETY PLAN

Revised version

Site Specific Health & Safety Plan (HASP)

Job Name: Lindsey Lake Tanker Spill (I-84, MP 54)
Job #: OERS#2019-0344:NRC#1237421
Date: ~~2/16/2019~~ 2/17/2019 One
Site Supervisor/IC: James Collins, SOSOC, DEQ; Jeff Fowlow, FOSC, EPA; Rob Honsberger, HydroCon LLC, RP IC
Site Safety Officer: Chuck Carver – NWFF

1. INTRODUCTION

This Site Specific Health & Safety Plan (HASP) sets forth policy and procedures that will minimize site-specific risks to workers, visitors and the public. This plan applies all workers on the incident. The procedures and guidelines contained here are based on the best available information at the time of the Plan preparation. Specific requirements in the Plan may be revised when new information is received or conditions change.

The site Safety Officer (SO) is responsible for informing all individuals on the job site of the contents of this plan and ensuring that each person signs it. By signing the Plan, individuals are acknowledging the presence of specific on-site hazards and the policies and procedures required to minimize exposure or adverse effects to these hazards. The policies and procedures contained here are crucial to the safe and effective conduct of all personnel on-site. This Plan has been drafted to meet all requirements of 29 CFR 1910.120

2. SITE DESCRIPTION

Location: I-84 near MP 54

Description: Manage and mitigate the response scene of a tanker truck roll-over which released an estimated 4,400 gallons of diesel fuel onto I-84, side slope of the west bound roadway and into Lindsey Lake. Be prepared and safe for challenging weather conditions.

U.S. EPA: Jeff Fowlow, (206)225-5582

Oregon DEQ: Jamie Collins, (541)321-3124

Contracting Company or Agency: NWFF

Contact Person and Phone Number: Shiloh McConnell, (541)231-2619

Subcontracting Company: NRC

Contact Person and Phone Number: Chad Sisk 971.352.5449

3. SCOPE OF WORK

Objective(s): Maintain boom placements within Lindsey Lake in order to prevent discharge of product to the Columbia River. Maintain sorbents in identified areas and replace as necessary. Follow on objective is to capture the contaminant for disposal.

Work Plan: NWFF and NRC will begin flushing water pulled from Lindsey Lake down the side slope of westbound I-84. As the product washes down the side slope, the material is expected to be contained within Lindsey Lake. Teams will be in boats with sorbent materials to capture the contaminant. There will be a 70-barrel vac truck staged on the road. A baker tank will be staged at Wyeth, to accept fluids from the 70-barrel. Two kayaks will be utilized to conduct field sampling and SCAT operations. Crews will hand excavate a trench near the toe of the slope to catch any fuel running down the bank. Air monitoring will take place during excavation activities. If VOC levels are determined sustained over the action limit of 10ppm, respiratory protection will be required in this zone.

4. ON-SITE ORGANIZATION AND COORDINATION

The following personnel are designated to carry out specific job functions on-site (Individuals may perform more than one job function).

Federal On-Scene Coordinator: Jeff Fowlow

State On-Scene Coordinator: Jamie Collins

Responsible Party Contact: Rob Honsberger

Safety Officer (SO): Alan Dimock

NWFF Project Manager (PM): Shiloh McConnell

NWFF Response Manager
(RM): NA

NWFF Foremen: Seth Williams

Specialist Employee: NA

HAZWOPER (40hr/80Hr) Technicians:

Cesar Monroy

Seth Williams

Glenn Thor

Alex Plawman

SUBCONTRACTORS: NRC

Chad Sisk

Daniel Holmes

Stan Jensen

The Unified Command has overall responsibility for all activities on-site including implementation of the safety plan. The Unified Command may delegate this function to the SO. The SO is responsible for ensuring that all work crews and individuals on the jobsite comply with all site safety and health requirements. If changes or further information is added, the SO is responsible for notifying **all** personnel. All on-site personnel are responsible for understanding and complying with all requirements put forth by the SO.

5. SITE CONTROL

Controlled boundaries will be established. The hot zone (the work area), the warm zone (the decon area) and the cold zone (rehab and command area) will be designated by:

Hot zone – roadway and lake within the first containment boom

Warm zone- area between first and second booms

Cold zone- work area and decon

6. TRAINING AND DOCUMENTATION

In compliance with 29 CFR 1910.120 all on-site personnel receive a minimum of forty hours of training on safe work practices at hazardous waste sites. Annually thereafter, all field employees receive eight hours of refresher training on the following topics:

Regulatory Compliance (OSHA, EPA, DOT)

Environmental Monitoring/Sampling

Noise

Toxicology

Heat/Cold Stress

Flammable

Drum Handling

Corrosives/Reactives

Confined Space

Respiratory

Protection

Decontamination

Protective Clothing

Site Safety Plans

Medical Surveillance

Contingency Plans

Team leaders and supervisors receive a minimum of eight hours training on safe management of hazardous waste sites. All training complies with 29 CFR 1910.120.

Site-specific training is held at the beginning of each job. A record of this training and all operations is kept on the job site. Safety briefings are held before work commences on any job for all personnel. If operations continue for more than one day, safety briefings will be held at the beginning of each shift.

7. MEDICAL SURVEILLANCE

Pre-employment and periodic medical examinations are required for persons working at hazardous waste sites. The medical examination must have been within a twelve-month period prior to on-site activities and repeated at least every other year. A licensed physician must issue a written opinion that the worker is fit for duty for hazardous waste site work and respirator wear. Workers are informed of their right of accessibility to their medical records.

8. HAZARD AND RISK ANALYSIS

Chemicals	_____ x _____	Heavy Equipment	_____ X _____
Confined Space	_____	Heat	_____
Flammability	_____ x _____	Cold	_____ X _____
Reactivity	_____	Drums	_____
Terrain	_____ x _____	Oxygen Deficiency	_____ x _____
Electrical	_____	Corrosivity	_____
Noise	_____	Altitude	_____
Radiation	_____	Wildlife	_____ x _____
Ergonomics	_____ x _____	Drilling	_____
Excavation	_____	Biological Agent	_____
Explosives	_____	Vehicles	_____ x _____
Other – Small boats/Kayaks	Boat/Kayak Ops	Other - Marine/SCAT Ops	

SDS, if available, is attached at the end of the safety plan with pertinent information highlighted, including: Threshold Limit Values (TLV), Short Term Exposure Limits (STEL), signs, symptoms and routes of possible exposure.

Site Specific Physical Hazard Evaluation		
Task	Potential Hazard	Engineering/Abatement Control (if applicable)
Monitoring	Slip, trip, fall	Pay attention to surroundings. Depending on temperature and time of day, walking surfaces could be frozen.
Road Flush Operations	Highway/Street Traffic	Work from curb side and be aware of street traffic. High Visibility clothing should be worn. Personnel in vehicles and lane closure only.
All	Cold Weather/Exposure	Do not stay outside longer than necessary. Rotate workers into warmth. Use buddy system. Drink plenty of fluids, especially warm, non-caffeinated fluids. Be prepared to change out wet footwear and clothing.
Flush Operations/Site Monitoring	Driving in hazardous road conditions (snow/ice)	General (from AAA): <ul style="list-style-type: none"> • Drive slowly. ... • Accelerate and decelerate slowly. ... • Increase your following distance to five to six seconds. ... • Know your brakes. • Don't stop if you can avoid it. • Don't power up hills. • Don't stop going up a hill.
Product Collection/Boom Operations/Sampling	Working on water	<ul style="list-style-type: none"> • Wear personal flotation device • Be prepared to change wet clothing or footwear.
Boom Operations/Product Collection	Working near water	<ul style="list-style-type: none"> • Wear a personal flotation device. • Tie off to a fixed surface such as a tree or guard rail. • Be prepared to change wet clothing or footwear.
Product Collection/Boom	Working below grade	<ul style="list-style-type: none"> • Be aware of oxygen levels, LEL, and PID readings when working below grade such as in

Operations/Sampling		roadway ditches.
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Emergency Water Retrieval: In the event of personnel falling into the water, each boat will be equipped with ropes for emergency retrieval, personnel will be moved to the decon site for wipe down followed by first aid evaluation. If hypothermia or severe injury is noted, emergency services will be called and the person will be taken out of wet clothing and provided warming blankets until emergency services arrives. If the individual does not show signs of need for emergency services, the person will go through decon, will be moved to the command area at Viento State Park for wet clothing removal and warm shower. The individual will remain in the warming area for monitoring.

9. AIR MONITORING

4 Gas Air Monitor- continuous / hourly / daily / other

Indicator _____

Calibrated with _____

Photo Ionization Detector (PID) - continuous / hourly / other

Indicator UltraRae x2

Calibrated with: one with benzene 5 ppm/ one with isobutylene 100 ppm

Specialized Monitoring Equipment Site Specific

10. PERSONAL PROTECTIVE EQUIPMENT

Based on the evaluation of potential hazards, the following levels of Personal Protective Equipment (PPE) have been designated for the applicable work areas and/or tasks.

Location	Level of PPE
Hot Zone	Level C to begin, based on air monitoring, if sustained readings are less than 10ppm, PPE can be downgraded to level D
Warm Zone	Level D to begin, if needed based on air monitoring, upgrade to Level C
Cold Zone	Level D

Specific protective equipment for each level of protection is as follows:

- LEVEL A:** Vapor proof fully encapsulating suit with SCBA.
- LEVEL B:** Non-vapor proof fully encapsulating suit with SCBA.
- LEVEL C:** Level D indicators with respirator.
- LEVEL D:** Chest waders, PFD

11. DECONTAMINATION PROCEDURES

All personnel and all equipment leaving the hot zone shall be decontaminated. The following decontamination methods and stations will be used: Wipe down with Sorbent pads, personal shower follow up as needed.

12. CONTINGENCY AND EMERGENCY SPILL RESPONSE PLAN

The HASP provides specific actions to analyze, containerize, and remediate materials on a site and chemical-specific basis. The Emergency Spill Response Contingency Plan identifies and defines procedures for further releases of these materials.

The purpose of the Emergency Spill Response Contingency Plan is to provide site-specific planning and procedures in the event of any release of hazardous materials and/or wastes.

Our Site Safety and Work Plan provides a final section where materials to be remediated, containerized, analyzed, or transported are identified with specific methods for response to further releases. For example, plugging and patching, use of appropriate absorbents, and overpacking protocols are all in place in the event of a breach of a 55-gallon drum during the course of work. These protocols are identical to standard emergency spill response and remediation protocols currently in place for all operations.

13. Medical Emergencies

Closest Hospital:

Cascade Locks, Oregon 97014 to Providence Hood River Memorial Hospital (map is attached)

The SO shall be notified of any on-site emergency and will be responsible for ensuring that all appropriate procedures are followed. The SO may delegate this responsibility to the assigned medical officer on the job site. Upon notification of an injury on the job site, the SO or medical officer will evaluate the nature of the injury. Appropriate medical treatment will be provided at that time. **All** incidents involving injury, possible injury or exposure must be reported to the SO, regardless of how minor they appear.

In the event of an emergency on the job site, orders may be given to clear the hot zone if needed. In addition, an air horn will blow the evacuation signal: three blasts. All workers in the hot zone will proceed to the decon area for further instructions. When an on-site emergency results in evacuation of the hot zone, personnel will not re-enter that area until:

1. Conditions resulting in the emergency have been corrected.
2. All hazards have been re-assessed.
3. The safety plan has been reviewed.
4. Site personnel have been briefed on changes in the safety plan.

Basic Life Support (BLS) trauma kit is present at every response. The BLS kit can be found in contractor vehicles and trailers.

14. LINES OF COMMUNICATION

On the job communication will be done with hand-held, portable radios, previously agreed upon hand signals or face-to-face communication. The PM and SO will each carry a radio at all times. At least one radio will be provided for each team. The normal working frequency will be channel 1. If possible, line-of-sight vision will be kept at all times between the workers in the hot zone and the PM or SO.

SITE SAFETY PLAN ACKNOWLEDGEMENT

All personnel on-site have read the safety plan and are familiar with its provisions.

Job Name: _____ Date: _____

[illegible]

SITE SAFETY PLAN ACKNOWLEDGEMENT

All personnel on-site have read the safety plan and are familiar with its provisions.

Job Name: _____ Date: _____

[illegible]

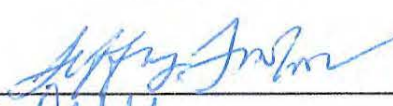

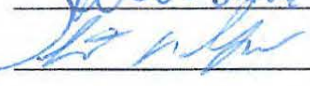
Incident Waste Management Tracking Plan

Incident Name	<u>Lindsey Lake Tanker Spill (OERS 2019-0334)</u>
Responsible Party	<u>Space Age Fuels</u>
Spilled Material	<u>No. 2 Diesel - Winter Blend</u>
Spill Location	<u>Interstate 84 - Milepost 53.8</u>
Spill Date/Time	<u>11-Feb-19</u>
Spill Source (Vessel, vehicle, etc.)	<u>Tank truck and trailer rollover in icy conditions</u>

This plan has been prepared by the Planning Section at the request of the Unified Command. All applicable state, local, and federal laws and regulations are to be followed when collecting, managing, recycling and/or disposing of the recovered materials. Wastes generated through cleanup operations will be tracked to provide an accurate means of estimating total recovery. All materials will be categorized, segregated and a determination of the regulatory status (hazardous waste versus solid waste) will be made for each waste stream. Materials will be itemized for safe and efficient collection, staging, storage, and recycling or disposal. All materials will be tracked to provide an accurate means of estimating the quantities of disposed or recycled materials and to provide documentation of final disposition.

This plan may be updated as necessary to ensure compliance with all applicable laws and regulations as new materials or waste streams are encountered, or as alternative means of disposal are needed. Once approved by Unified Command and incorporated into the Incident Action Plan, this plan will remain in force until superseded by a newer version or the cessation of response activities and completion of waste disposal activities.

At the outset of recovery operations, this plan will be used to document staging areas and waste management organization elements until information on wastes generated is obtained. The plan will be updated and expanded as waste management operations develop.

Plan Authorization	Signature	Date
Approved by EPA:		<u>2/17/2019</u>
Approved by ODEQ:		<u>2/17/2019</u>
Approved by Responsible Party:		<u>2/17/20</u>
Approved by Local Government Representative:	_____	_____
Approved by Tribal Government Representative:	_____	_____
Drafted and submitted for approval by:	<u>Don Pettit, Deputy EUL</u>	_____

Incident Waste Management Tracking Plan

Section I: Waste Management Organization

This section describes the personnel assigned and key roles staffed in the Incident Command Post within the Operations Section to support waste management and disposal. The Waste Tracking Coordinator is responsible for collecting information from the Waste Staging Area Manager(s) to provide daily updates on the quantity of wastes generated, staged, transported and disposed. The Technical Specialist is responsible for making waste determinations and designations to be used for proper waste handling and disposal.

	Name	Agency/Company
Disposal Group Supervisor	Seth Williams	NWFF
Waste Tracking Coordinator	Robert Honsberger	HydroCon LLC
Waste Management Tech Specialist	Ross McMakin	NWFF

Section II: Waste Segregation, Waste Stream Descriptions and Designations

This section describes how the wastes generated during spill cleanup operations will be categorized for segregation, waste determination and the basis for the waste determination. It is the responsibility of the Waste Management Tech Specialist to perform the waste designations for proper disposition. Copies of waste profiles and supporting laboratory analyses used to make the waste determinations shall be maintained by the Waste Tech Specialist and incorporated into the response file at the conclusion of the response.

Waste Description & Origin	Determination	Basis / HW Profile ID
<i>Example: Oiled Sorbents from On-Water Recovery in Division B</i>	<i>Non-Hazardous Solid Waste</i>	<i>Hazardous Waste Profile #1 Non-Hazardous</i>
Diesel-impacted (Oiled) Sorbents from On-Water Recovery in Division A	Non-Hazardous Solid Waste	Knowledge of release; Source area surface water sampling
Oily Water	Non-Hazardous Liquid Waste	Knowledge of release
Oiled Solid Waste (PPE)	Non-Hazardous Solid Waste	Knowledge of release
Recovered Diesel Fuel with Water	Hazardous Liquid Waste	Knowledge of release

Insert cells as needed for additional waste categories/descriptions. See bottom of page 4 for example waste descriptions/types.

Incident Waste Management Tracking Plan

Section III: Waste Staging Areas

This section describes the areas designated by the Operations Section Chief (or Disposal Group Supervisor) and an assigned Waste Staging Area Manager to support waste management and disposal.

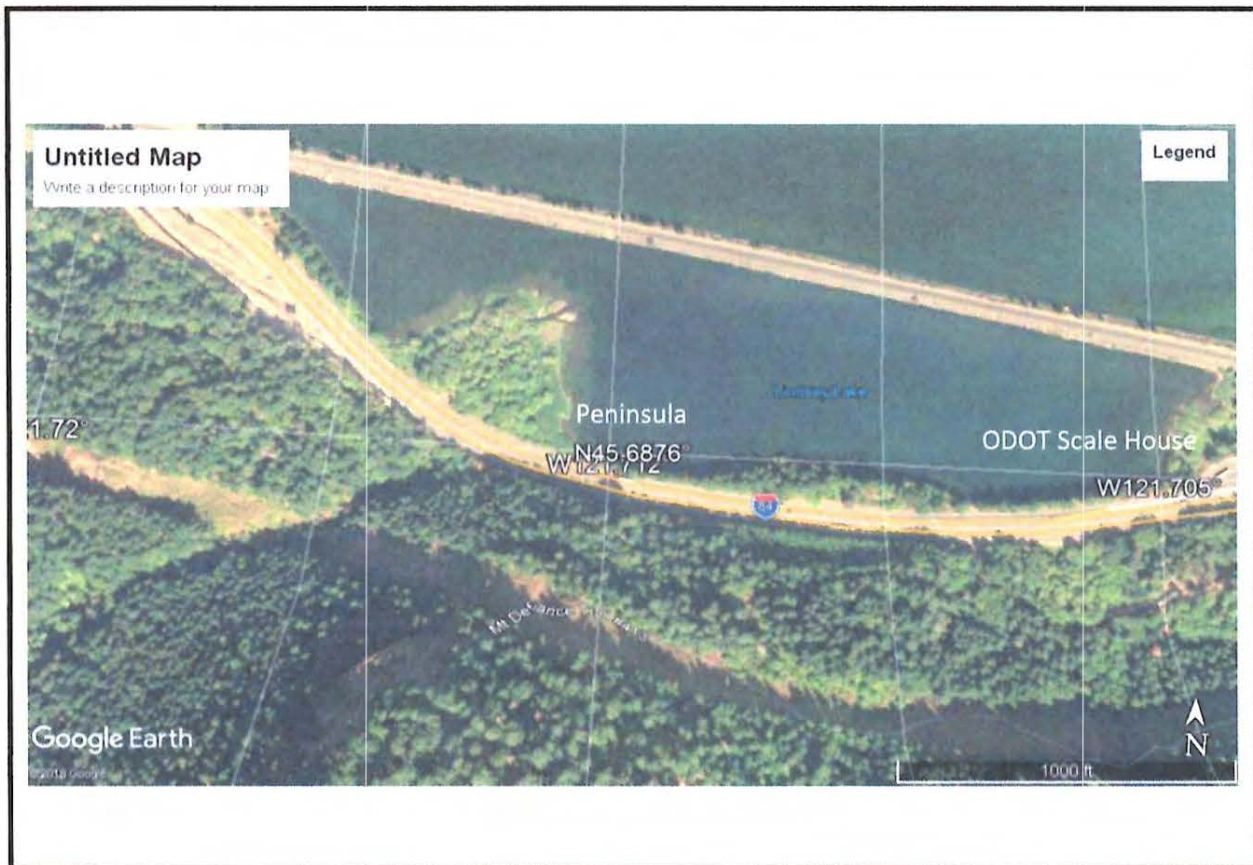
Waste Staging Area Name	Address (or Lat/Long in DecDeg)	Manager/Phone
ODOT Scale House (lot at west end of weigh station adjacent to Lindsey Lake)	Interstate I-84 W.B. @ MP 54.3 45.6877412,-121.7037323	Shiloh McConnell
		541-231-2619
Wyeth State Park, I-84, Exit 51	Interstate I-84 W.B. @ MP 51 45.692014, - 121.771037	Shiloh McConnell
		541-231-2619
Peninsula in Lindsey Lake	Interstate I-84 @MP 54.5 45.687679, - 121.713072	Shiloh McConnell
		541-231-2619

Insert cells as needed for additional waste staging area descriptions.

Map of Waste Staging Areas



Incident Waste Management Tracking Plan



Incident Waste Management Tracking Plan

Section IV: Description of Waste Management Processes/Controls

This section describes the general processes for managing each waste stream at each Waste Staging Area. Describe how each site was constructed, bermed, covered, etc. to minimize spread of contaminants and impacts to site soils or adjacent areas. This portion of the plan will be used to guide waste management and must be updated as processes/waste streams change. Actual waste tracking will be accomplished via separate tracking spreadsheets (see Incident Waste Tracking tab on electronic version), where the waste profile for each waste stream/container will be documented.

Waste Staging Area	Tank/Box/Tote/etc.	Waste Type/Source	Site Controls
Wyeth State Park, I-84, Exit 51	22,000 gallon box (Baker tank)	Diesel Fuel with Water/Oily Water	Closed top container designed for storage of oily water
Peninsula in Lindsey Lake	1 yard box	Diesel/water saturated sorbent booms and pads; PPE	Staging area with 6 mil visquene covered with absorbent roll with buried edges. Waste material placed in USDOT approved 1 yard containers. Any stored material will be covered in visquene over night.

Insert cells as needed for additional waste stream control descriptions.

Waste Descriptions/Types

Oily Water

Oiled Debris (woody debris, sand, etc.)

Oiled Sorbents (Oiled Solid Wastes)

Solid Waste (PPE, etc.)

Recovered Source Oils (Pure Product)

Recovered Oils (Product with Water)

Incident Waste Management Tracking Plan

Section V: Waste Tracking/Reporting System

The Waste Staging Area Manager will provide a manifest to the driver containing the amount and type of materials being disposed of. Each manifest will be signed upon disposal and returned to the waste tracking coordinator. Returned manifests and weigh bills will be stored in the command center with the Waste Tracking Coordinator. Amounts of each waste will be recorded and tallied on a waste tracking spreadsheet.

Waste Tracking Coordinator Responsibilities:

Wastes will be tracked throughout the response to account for generation, staging/accumulation, transfer and final disposition. The tracked wastes will be summarized daily for incorporation into ICS Form 209 (if prepared), to provide Unified Command with a summary of recovered waste volumes and any problems with the waste management system.

All copies of waste tracking forms, waste profiles used for waste determinations, and final disposition records/receipts will be maintained by the Waste Tracking Coordinator for incorporation into a Waste Management Summary Report at the conclusion of the response, unless interim reports are requested from Unified Command.

The Waste Tracking Coordinator will supply paper copies of Waste Tracking Forms for use by the Waste Staging Area Manager and establish a schedule for reporting of waste materials inventory and the transfer of all manifest copies, bills of lading, etc. (typically at the conclusion of the day's operations). The Waste Tracking Coordinator will transfer information from the paper Waste Tracking Forms into an Incident Waste Tracking Spreadsheet and convey information to the Situation Unit for incorporation into the ICS 209 Form (if prepared).

Waste Tracking Forms:

Separate Waste Tracking Forms will be used for Solid and Liquid Materials Generation, and Waste Materials Transfers to Recycling or Disposal Facilities. See attached paper forms used to track wastes at the Waste Staging Areas. The Waste Tracking Forms (and this plan template) are available in electronic format from Oregon Dept. of Environmental Quality - Emergency Response Program.

Waste Staging Area Manager Responsibilities:

Wastes generated during recovery and cleanup operations are received at the designated Waste Staging Area, directed to the proper containment (box, tank, etc.) and entered on Waste Tracking Sheet(s). The Waste Staging Manager will record the receipt of cleanup generated wastes on the Waste Tracking Forms provided by the Waste Tracking Coordinator, and provide updates/records of the wastes received, in storage, and transferred for disposition on a daily schedule established by the Waste Tracking Coordinator. The Waste Staging Manager is responsible for the proper storage during accumulation, and proper packaging and preparation of Uniform Hazardous Waste Manifests for each shipment.

Daily Inventory and Reporting Schedule:

A physical inventory will be conducted at the conclusion of daily operations and recorded on the provided Waste Tracking Forms. The Waste Tracking Forms and all receipts, bills of lading, records of manifests, etc. will be transmitted to the Waste Tracking Coordinator by beginning of the next operational period.

Submit copies of the Waste Tracking Forms, Bills of Lading, Uniform Hazardous Waste Manifests, etc. to the Waste Tracking Coordinator by the beginning of the next Operational Period. For this response, the Operational Period is 24 hours and begins at 0700.

Incident Waste Management Tracking Plan

Section VI: Designated Waste Transporters

This section designates which licensed waste transporters will be used to transport wastes from each Waste Staging Area and the destinations for each waste stream. The Waste Staging Area Manager is responsible for monitoring waste transport activities at the Waste Staging Areas, and documenting the time each transport was initiated. Actual waste transactions will be documented in the Waste Tracking Sheets designated for use by the Waste Tracking Coordinator.

Transport Company	Waste Type	Transport Type	Destination
Hood River Sanitation	Solid Waste (PPE; Oiled Sorbents)	Truck	Wasco County Landfill
NRC Environmental Services	Recovered Diesel Fuel	Vacuum Truck	Oil Re-Refining Co
NRC Environmental Services	Oily Water	Vacuum Truck	Oil Re-Refining Co

Insert cells as needed for additional designated waste transporters.

Section VII: Designated Waste Disposal/Recovery Facilities

This section designates the facilities that will be used to accomplish reuse, recovery, or disposal of wastes generated during cleanup activities. This general plan identifies the various waste streams, organized by the Waste Types stored at each Waste Staging Area, the destination Facility and the type of material recovery/disposal that will occur there. This general listing will guide the disposal process, but actual waste transfers must be recorded on the Waste Tracking Sheets.

Waste Staging Area	Waste Type	Facility	Recovery/Disposal Type
Peninsula in Lindsey Lake	Oiled Sorbents	Wasco County Landfill	Solid Waste Disposal (Solid Waste Landfill)
Wyeth State Park, I-84, Exit 51	Recovered Diesel Fuel with Water; Oily Water	Oil Re-Refining Co.	Liquid Waste Disposal (Energy Recovery)

Insert cells as needed for additional designated waste disposal/recovery

Inadvertent Discovery Plan for Cultural Resources

For the duration of the response, or until replaced by an updated version, this plan will be followed to identify, report and protect potential cultural materials which are discovered during the course of emergency response operations being conducted to protect human health and the environment. This does NOT include significant ground disturbing activities involving excavation, dredging, drilling, etc. which would be covered by a project specific plan. This plan also is also not intended to protect sites in areas where cultural resources have already been documented which should have site-specific project plan to protect cultural resources.

This Inadvertent Discovery Plan (IDP) should be followed if cultural materials, including human remains, are encountered during any field or site activities including but not limited to: excavation, berming, under/overflow dam construction, boom deployment, development of staging areas, access paths/routes, or during reconnaissance activities such as SCAT Surveys.

When to stop work:

Construction work or other ground disturbing activities may uncover previously unidentified Native American or Euro-American artifacts. Work must stop when the following types of artifacts and/or features are encountered:

Native American artifacts may include (but are not limited to)-

- Flaked stone tools (arrowheads, knives scrapers etc.);
- Waste flakes that resulted from the construction of flaked stone tools;
- Ground stone tools like mortars and pestles;
- Layers (strata) of discolored earth resulting from fire hearths. May be black, red or mottled brown and often contain discolored cracked rocks or dark soil with broken shell;
- Human remains;
- Historical structural remains- wooden beams, post holes, fish weirs.
- Petroglyphs (carvings in stone) or petrographs (drawings in stone).

Euro-American artifacts may include (but are not limited to)-

- Glass (from bottles, vessels, windows etc.);
- Ceramic (from dinnerware, vessels etc.);
- Metal (nails, drink/food cans, tobacco tins, industrial parts etc.);
- Building materials (bricks, shingles etc.);
- Building remains (foundations, architectural components etc.);
- Old Wooden Posts, pilings, or planks (these may be encountered above or below water);
- Remains of ships or sea-going vessels, marine hardware etc.;
- Old farm equipment may indicate historic resources in the area.
- Even what looks to be old garbage could very well be an important archaeological resource;

When in doubt, call it in!

Protocol for coordination in the event of inadvertent discovery:

In the event of an inadvertent discovery of items suspected to be cultural materials, including possible human remains, stop all work immediately in the vicinity of the find. Notify your Division/Group Supervisor or Task Force Leader as soon as possible.

The area should be secured and protected. A 30 meter buffer should be placed around the discovery with work being able to proceed outside of this buffered area unless additional cultural materials are encountered.

The Operations Section Chief, the Planning Section Chief, the Tribal On-Scene Coordinator (if one has been established within the ICS) and the Liaison Officer are to be notified immediately by the Division/Group Supervisor or Task Force Leader. The Planning Section Chief will direct his staff to notify the State Historic Preservation Office (SHPO) and the US Dept. of the Interior or designated representative (U.S. Fish & Wildlife), if present within the ICS established for the incident.

If possible human remains are encountered, the Oregon State Police, Oregon Commission on Indian Services (CIS), SHPO, and appropriate Tribes will also be notified.

- Oregon State Police: Chris Allori 503-731-4717
- Oregon Commission on Indian Services: Karen Quigley 503- 986-1067
- Appropriate Tribes: As designated by CIS
- SHPO: Dennis Griffin 503-986-0674, John Pouley 503-986-0675, or Matt Diederich 503-986-0577.

No work may resume within the secured area until consultation with the SHPO has occurred and a professional archaeologist is able to assess the discovery.

— If human remains are encountered, do not disturb them in any way. *Do not call 911*. Do not speak with the media. Secure the location. Do not take Photos. The location should be secured and work will not resume in the area of discovery until all parties involved agree upon a course of action.

A professional archaeologist may be needed to assess the discovery; they will consult with SHPO and appropriate Tribal Governments to determine an appropriate course of action.

Archaeological excavations may be required after the emergency response phase of the incident. This is handled on a case by case basis by the professional archaeologist and project manager, in consultation with SHPO and appropriate Tribes.

Proceeding with Construction or other Ground Disturbing Activities

Construction can proceed only after the proper archaeological inspections have occurred and clearance to proceed is obtained. This requires close coordination with SHPO and the Tribes.

After an inadvertent discovery, some areas may be specified for "**Close Monitoring**" or "**No Work Zones**".

Any such areas will be identified by the professional archaeologist, and relayed to the Operations Section Chief and the Planning Section Chief, who will relay to appropriate Division/Group Supervisors and/or Task Force Leaders.

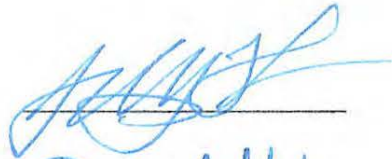
In coordination with the SHPO or professional archaeologist, the Operations Section Chief will verify these identified areas and be sure that the areas are clearly demarcated in the field, as needed.

Lindsey Lake Tanker Spill (I-84, MP 54)

2/12/2019

Approved:

EPA FOSC: JEFFREY FOWLOW




2/17/19

DEQ SOSC: JAMIE COLLINS



2/17/2019
1329

RP IC (Space Age Fuels): 

Rob. Hensberger

2/17/19